

ABSTRACTHollow Waveguide Directional Coupler

A hollow waveguide directional coupler comprises two hollow waveguide sections (3, 4) that are coupled to each other by a plurality of coupling openings (6, 7) formed in a wall (5) extending between the hollow waveguide sections (3, 4). Two adjacent coupling openings (6, 7) have a distance of $3 \lambda_g/4$ from each other, λ_g being the wavelength of the nominal centre frequency of the operating frequency range of the directional coupler.